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December 7, 2000

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]

GP/1641
#13
#3
2/11/01
PATENT
Attorney Docket No.: 17634-000320US
Client Reference No.: E-089-97/2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brian R. Murphy et al.

Application No.: 09/083,793

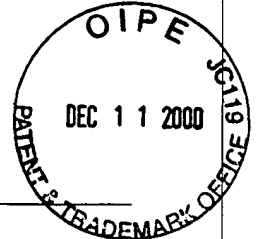
Filed: May 22, 1998

For: PRODUCTION OF ATTENUATED
PARAINFLUENZA VIRUS VACCINES
FROM CLONED NUCLEOTIDE
SEQUENCES

Examiner: M. Mosher

Art Unit: 1641

COMMUNICATION



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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This Communication is pursuant to Applicants' Amendment filed with the U.S. Patent and Trademark Office on June 19, 2000, and transmits a copy of the ATCC Receipt of Biological Deposit of Human Parainfluenza Virus Type 3 (cold-passage 45): HPIV3 cp45 JS strain (lot HP13-3), dated November 20, 2000, cited in the Amendment for the Examiner's review and entry in the record.

Although no fee is believed due with this submission, the Commissioner is hereby authorized to charge any fees associated herewith to Deposit Account No. 20-1430.

Respectfully submitted,

Dated: 12/7/00

[Signature]
Jeffrey J. King
Reg. No. 38,515

Customer No. 20350

TOWNSEND and TOWNSEND and CREW LLP

Two Embarcadero Center, 8th Floor

San Francisco, California 94111-3834

Tel: (415) 576-0200

Fax: (415) 576-0300

JJK:imp

SE 5005961 v1

ATCC

10801 University Blvd • Manassas, VA 20110-2209 • Telephone: 703-365-2700 • FAX: 703-365-2745

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF
THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3
AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2



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To: (Name and Address of Depositor or Attorney)

National Institutes of Health
Attn: Mario Skiadopoulos
7 Center Drive, Bldg. 7/ Rm 138
Bethesda, MD 20892

Deposited on Behalf of: NIAID, NIH

Identification Reference by Depositor:
Human Parainfluenza Virus Type 3 (cold-passage 45):
HPIV3 cp45 JS strain (lot HP13-3)

Patent Deposit Designation
PTA-2419

The deposit was accompanied by: a scientific description a proposed taxonomic description indicated above.

The deposit was received August 24, 2000 by this International Depository Authority and has been accepted.

AT YOUR REQUEST: X We will inform you of requests for the strain for 30 years.

The strain will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strain, and ATCC is instructed by the United States Patent & Trademark Office or the depositor to release said strain.

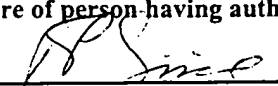
If the culture should die or be destroyed during the effective term of the deposit, it shall be your responsibility to replace it with living culture of the same.

The strain will be maintained for a period of at least 30 years from date of deposit, or five years after the most recent request for a sample, whichever is longer. The United States and many other countries are signatory to the Budapest Treaty.

The viability of the culture cited above was tested October 27, 2000. On that date, the culture was viable.

International Depository Authority: American Type Culture Collection, Manassas, VA 20110-2209 USA.

Signature of person having authority to represent ATCC:


Frank Simione, Director, Patent Depository

Date: November 20, 2000

cc: Jeffrey J. King